

Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims:

Claims 1 - 37 (cancelled).

1 38. (new) A method of manufacturing a construction
2 element made from wood fibers, wood chips and/or sawdust
3 comprising the steps of:
4 providing said wood fibers, wood chips and/or sawdust,
5 applying an adhesive to said wood fibers, wood chips
6 and/or sawdust, and
7 pressing the wood fibers, wood chips and/or sawdust
8 provided with said adhesive to form said construction
9 element.

1 39. (new) The method of claim 38, wherein the step of
2 providing said wood fibers, wood chips and/or sawdust
3 includes providing at least some of said wood fibers, wood
4 chips and/or sawdust as recycled wood fibers, wood chips
5 and/or sawdust from the manufacture of said construction
6 elements.

1 40. (new) The method of claim 39, further including
2 the step of grinding said construction elements following
3 said step of pressing, and wherein said recycled wood
4 fibers, wood chips and/or sawdust are obtained from said
5 grinding step.

1 41. (new) The method of claim 38, wherein the step of
2 pressing is done at a temperature below 120° C.

1 42. (new) The method of claim 38, wherein the step of
2 pressing is done at a temperature below 95° C.

1 43. (new) The method of claim 38, wherein the step of
2 pressing is done at a temperature below 60° C.

1 44. (new) The method of claim 38, wherein said
2 adhesive includes reactive resins, that may be hardened by
3 cross-linking, selected from the group consisting of urea
4 resins, melamine resins, acrylic resins, epoxy resins,
5 polyester resins and mixtures thereof, and the step of
6 pressing said wood fibers, wood chips and/or sawdust is free
7 of substantial hardening of said adhesive.

1 45. (new) The method of claim 44, wherein said
2 construction element comprises from less than about 10% up
3 to about 35% adhesive by weight.

1 46. (new) The method of claim 44, wherein said wood
2 fibers, wood chips and/or sawdust are broken down into solid
3 and liquid components within a gas-tight system, the liquid
4 components being separated from the solid components at a
5 temperature in the range from about less than 50° C up to
6 about 90° C, said liquid components being added to said
7 adhesive and applied to said solid components to form said
8 construction element.

1 47. (new) The method of claim 46, wherein said
2 adhesive is applied to said wood fibers, wood chips and/or
3 sawdust at a temperature less than 100° C.

1 48. (new) The method of claim 47, further including
2 the step of drying said wood fibers, wood chips and/or
3 sawdust in a drying device at a drying temperature, and
4 wherein the step of applying adhesive is performed remote of
5 said drying device at a temperature cooler than said drying
6 temperature.

1 49. (new) The method of claim 48, wherein the step of
2 applying adhesive includes spraying an adhesive-gas mixture
3 onto said wood fibers, wood chips and/or sawdust.

1 50. (new) The method of claim 49, wherein said
2 adhesive is applied in an amount such that the resulting
3 construction element contains from amount 45 kg/m³ to 55
4 kg/m³ of adhesive.

1 51. (new) The method of claim 50, wherein the step of
2 applying adhesive includes placing said wood fibers, wood
3 chips and/or sawdust onto a belt weighing machine and
4 maintaining a constant weight ratio of said adhesive applied
5 to said wood fibers, wood chips and/or sawdust.

1 52. (new) The method of claim 51, wherein said wood
2 fibers, wood chips and/or sawdust provided with said
3 adhesive are mixed and/or stirred in a cooled wall vessel.

1 53. (new) The method of claim 52, wherein the step of
2 applying said adhesive includes initially forming a curtain
3 or a mat of said wood fibers, wood chips and/or sawdust and
4 applying the adhesive to said curtain or mat.

1 54. (new) The method of claim 53, further including
2 applying air at a temperature of from about 40° C to about
3 70° C together with said adhesive to said wood fibers, wood
4 chips and/or sawdust.

1 55. (new) The method of claim 54, wherein the step of
2 applying said adhesive includes also applying a hardening
3 agent to said wood fibers, wood chips and/or sawdust.

1 56. (new) The method of claim 55, wherein said
2 adhesive applied to said wood fibers, wood chips and/or
3 sawdust has an outer surface that is hardened by cross-
4 linking.

1 57. (new) The method of claim 56, further including
2 laminating a finishing component to said construction
3 element at an elevated temperature and completing the
4 hardening by cross-linking of said adhesive.

1 58. (new) The method of claim 44, further including
2 breaking down said wood fibers, wood chips and/or sawdust
3 into solid components and liquid components, adding said
4 liquid components to said adhesive, and applying said

5 adhesive and liquid components to said wood fibers, wood
6 chips and/or sawdust.

1 59. (new) The method of claim 58, further including
2 cooling said liquid components by at least 30° C and then
3 applying the liquid components to said wood fibers, wood
4 chips and/or sawdust.

1 60. (new) The method of claim 58, wherein said liquid
2 components include lignin and hemicellulose, said liquid
3 components comprising up to about 20 percent by weight of
4 said adhesive.

1 61. (new) The method of claim 58, wherein synthetic
2 material fibers and/or glass fibers are added to said wood
3 fibers, wood chips and/or sawdust.

1 62. (new) The method of claim 58, wherein said
2 adhesive applied to said wood fibers, wood chips and/or
3 sawdust has an outer surface that is hardened by cross-
4 linking.

1 63. (new) The method of claim 62, wherein said wood
2 fibers, wood chips and/or sawdust are charged with steam
3 immediately before pressing.

1 64. (new) The method of claim 63, wherein said recycled
2 wood fibers, wood chips and/or sawdust are obtained from the
3 manufacture of MDF and/or HDF boards for flooring panels and
4 molded parts.

1 65. (new) The method of claim 64, wherein said pressed
2 construction element is coated with at least paper provided
3 with resins and compressed in a press at temperatures above
4 150° C to laminate said paper to said construction element,
5 and complete said hardening by cross-linking said adhesive.

1 66. (new) A construction element made entirely or
2 predominantly from wood fibers, wood chips and/or sawdust
3 provided with adhesive and compressed together, said
4 construction element containing from about 45 to about 55
5 kg/m³ of said adhesive.

1 67. (new) The construction element of claim 66,
2 wherein said adhesive comprises non-hardened resins.

1 68. (new) The construction element of claim 67,
2 wherein said adhesive is selected from the group consisting
3 of urea resins, melamine resins, acrylic resins, epoxy
4 resins, polyester resins or mixtures of the same.

1 69. (new) The construction element of claim 68,
2 wherein said construction element is a board.

1 70. (new) The construction element of claim 69,
2 wherein said board consists essentially of wood fibers
3 secured together with said adhesive.

1 71. (new) The construction element of claim 68,
2 wherein said construction element contains more than 5
3 percent by weight of said sawdust.

1 72. (new) The construction element of claim 68,
2 wherein said construction element has a density of at least
3 300 kg/m³.

1 73. (new) The construction element of claim 68,
2 wherein said construction element has a density of less than
3 1500 kg/m³.

1 74. (new) A construction element produced in
2 accordance with the method of claim 38.

1 75. (new) A laminate panel having a plurality of
2 layers including a carrier board and one or more paper
3 layers, said carrier board being produced in accordance with
4 the method of claim 38.

1 76. (new) The laminate of claim 75, wherein said
2 carrier board has a density greater than 1500 kg/m³.